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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,374	09/19/2006	Junhyoung Eom	WELL.P0121US	8877
John W Renner	7590 07/20/200	7 .	EXAM	INER
Renner Otto Boisselle & Sklar 1621 Euclid Avenue Nineteenth Floor Cleveland, OH 44115			AYCHILLHUM, ANDARGIE M	
			ART ŲNIT	PAPER NUMBER
			2841	
	•		MAIL DATE	DELIVERY MODE
			07/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/593,374	EOM, JUNHYOUNG				
Office Action Summary	Examiner	Art Unit				
	Andargie M. Aychillhum	2841				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of the strength of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period versions of the strength of the stre	ATE OF THIS COMMUNICA 36(a). In no event, however, may a reply vill apply and will expire SIX (6) MONTH , cause the application to become ABAN	TION. y be timely filed S from the mailing date of this communication. IDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on		•				
· · · · · · · · · · · · · · · · · · ·	_· action is non-final.					
<u> </u>	<del>/ -</del>					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-6</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-6</u> is/are rejected.						
7) Claim(s) is/are objected to.	· · · <del></del>					
8) Claim(s) are subject to restriction and/o	Claim(s) are subject to restriction and/or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>19 September 2006</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)		. •				
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary (PTO-413) Paper No(s)/Mail Date					
3) Information Disclosure Statement(s) (PTO/SB/08)  5) Notice of Informal Patent Application						
Paper No(s)/Mail Date <u>09/19/2006</u> . 6) Other:						

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#### **DETAILED ACTION**

## **Priority**

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

# Claim Rejections - 35 USC § 102

(The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Regarding to claims 1-6 are rejected under 35 U.S.C. 102 (b) as being anticipated by Maue et al. (5,478,244).

Regarding to claim1, Maue et al. discloses an integrated electronic module structure for vehicles constructed using one connector for each wire harness (13) structure (14) comprising:

A first printed circuit board (33) having fuses (15) and relay circuits (17) mounted thereon; (column 3, lines 26-50) thereon;

A second PCB (37) having input/output (I/O) terminals (99 and 100) (see figure 1); and

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A PCB (33 and 37) connecting the first (33) and second PCBs (37). (Column 3, lines 43-50). (Column 3, lines 43-50) (see figures 1 and 2).

Regarding to claim 2, Maue et al. discloses the connector comprises a multi-pole connector (39), and

A circuit connected between the first PCB (33) and the I/O terminals (99 and 100) of the second PCB (37), and a circuit connected between the second PCB (37) and I/O connectors (99 and 100) of the second PCB (37) are integrated in one multipole connector (39), and thus the first PCB (33) and the second PCB (37) can be constructed using one multipole connector (39) for each wire harness (13). (Column 3, lines 43-50) (See figures 1 and 2).

Regarding to claim 3, Maue et al. discloses the first PCB (**33**) is a junction box (**11**) for vehicles. (See figure **1**).

Regarding to claim 4, Maue et al. discloses the second PCB (37) is an electronic control module (19) for vehicles. (Column 4, lines 34-36) (see figure 14).

Regarding to claim 5, Maue et al. discloses the PCB (33) connecting unit is composed of connecting pins (99 and 100).

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Regarding to claim 6, Maue et al. discloses the connecting pins (99 and 100) are directly inserted into the first PCB (33) and into a part corresponding to the I/O terminals (121) of the second PCB (37), then soldered, and external injection molded parts (53) are formed to have connectors that constitute a pair of male (98) and female connectors (100) together with the multi-pole connectors (39) of the wire harness (13). (Column 4, lines 37-59).

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andargie M. Aychillhum whose telephone number is (571)270-1607. The examiner can normally be reached on (Mon-Fri from 8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reichard Dean can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.A. July 16<sup>th</sup>, 2007

DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2800